



DEPARTMENT OF THE NAVY  
NAVAL AIR SYSTEMS COMMAND  
NAVAL AIR SYSTEMS COMMAND HEADQUARTERS  
WASHINGTON, DC 20361 -0001

IN REPLY REFER TO

NAVAIRINST 5451.95  
AIR-7101  
23 June 1993

NAVAIRINST 5451.95

From: Commander, Naval Air Systems Command

Subj: MISSIONS, FUNCTIONS, AND TASKS OF THE NAVAL AIR  
WARFARE CENTER WEAPONS DIVISION ACTIVITIES

Encl: (1) Mission, Functions, and Tasks of the Naval Air Warfare  
Center Weapons Division, Point Mugu and China Lake, CA  
(2) Mission, Functions, and Tasks of the Naval Air Weapons  
Stations, Point Mugu and China Lake  
(3) Mission, Functions, and Tasks of the Naval Weapons  
Evaluation Facility, Albuquerque, NM

1. Purpose. To issue the functions and tasks to be performed by the Naval Air Warfare Center Weapons Division (NAVAIRWARCENWPNDIV) activities in the accomplishment of their assigned missions.

2. Cancellation. This instruction cancels NAVAIR Instruction 5451.91 of 15 August 1990.

3. Overseas Diplomacy. NAVAIRWARCENWPNDIV activities serve as effective instruments of U.S. Foreign Policy by initiating and continuing action programs that promote positive relations between the commands and foreign nationals, and assist individual naval personnel and their families to work effectively, live with dignity and satisfaction, and function as positive representatives of the Navy and of the United States while overseas.

4. Action. In accomplishing the assigned missions, the Commander/Commanding Officers will ensure performance of the functions and tasks set forth in enclosures (1) through (3). Send recommended changes via the chain of command to the Commander, Naval Air Systems Command.

L. F. MILAN  
Assistant Commander for  
Corporate Operations

Distribution: (See next page)



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MISSION, FUNCTIONS, AND TASKS OF THE NAVAL AIR  
WARFARE CENTER WEAPONS DIVISION  
POINT MUGU AND CHINA LAKE, CA

Ref: (a) OPNAVNOTE 5450 Ser 09B22/1U510503 of 23 Dec 91

1. Mission. As directed by reference (a), the mission of the Naval Air Warfare Center Weapons Division (NAVAIRWARCENWPNDIV), Point Mugu and China Lake, CA, is as follows:

To conduct research, design, development, test, and evaluation of air weapons and associated aircraft systems into strike, anti-surface warfare (ASUW), and anti-air warfare (AAW) aircraft. To conduct research, design, development, test, and evaluation of tactical missiles for any naval platform. To operate, maintain, and improve the Naval Western Test Range Complex (NWTRC) air, land, and sea test ranges for weapons and weapons systems testing and evaluation. To provide development and operation of aerial and surface targets. To provide production support, in-service engineering support, and production improvement for air weapons systems and tactical missiles. To provide development and test, and continuing support of electronic combat systems and electronic devices for airborne electronic warfare. To complete studies of naval warfare systems for strike, ASUW, AAW, and other warfare areas. To provide support to Navy nuclear weapons programs. To insure continued promotion and maintenance of fundamental research and the technology base to support the above mission areas.

2. Status and Command Relationship. NAVAIRWARCENWPNDIV is a shore activity in an active status under a Commander.

a. Command Echelon

- 1 Chief of Naval Operations
- 2 Commander, Naval Air Systems Command
- 3 Commander, Naval Air Warfare Center, Washington, DC
- 4 Commander, Naval Air Warfare Center Weapons Division, Point Mugu and China Lake, CA

b. Area Coordination

Commander in Chief, U.S. Pacific Fleet, to be exercised through the Commander, Naval Base, San Diego, CA.

c. Primary support responsibility for NAVAIRWARCENWPNDIV is exercised by the Commander, Naval Air Warfare Center Headquarters, Washington, DC.

3. Functions. In accomplishing the assigned mission, the COMNAVAIRWARCENWPNDIV is responsible for the following functions:

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a. Perform test and conduct engineering evaluations of naval weapons systems, subsystems, related devices, and related support equipment, and their associated support throughout their life-cycle, including Navy technical evaluation prior to release for production, Board of Inspection and Survey trials, integrated logistics support evaluation and certification, production acceptance test and evaluation in support of production and rework of weapon system, and in-service weapon and target systems support.

b. Provide development, development support, and engineering services in assigned technical fields, including test and range instrumentation, threat simulations, target systems, computer and tactical software, human engineering, electro-optics, standards and calibrations, and prototype fabrication.

c. Perform electronic warfare development support, production support, development and operational testing and in-service engineering for major electronic warfare systems (including electronic warfare ground support equipment). Act as the Naval Air Systems Command's electronic warfare software support activity.

d. Provide engineering support for threat simulation, electronic warfare test and evaluation, radar cross-section measurement, C3 and electro-optical system development and test.

e. Perform development support, including technical review and evaluation and operational and technical services, in support of weapon system development and validation efforts.

f. Perform quality assurance and assessment on all aspects of assigned test and evaluation processes and range, technical, and support services.

g. Provide range, target, test and evaluation, and other support services for fleet training and operational test and evaluation programs and projects, including worldwide Mobile Sea Range Support.

h. Provide range support services for sea based launches in the Pacific.

i. Provide range services, including operation and maintenance of range instrumentation systems, operational and test planning, area surveillance, range clearance, frequency management and interference control, threat simulation, target presentation, communications, photography, test hardware launching and recovery, and explosive ordnance disposal.

j. Exercise engineering cognizance and provide field engineering services to fleet units for operational airborne weapons, weapon systems, targets, electronic warfare systems, ground support equipment and devices.

k. Is responsible for Navy-wide leadership in warfare analysis in concert with the Naval Air Warfare Center Aircraft Division, Warminster, PA, for anti-air warfare, anti-surface warfare, and strike, as well as air combat systems engineering and integration.

l. Establish and maintain technical expertise to carry out leadership responsibilities for missiles and missile subsystems; aircraft launched free-fall weapons; aircraft electronic warfare; range development and operation (air-to-air, air-to-surface and surface to air weapons; air electronic warfare; and parachute systems); explosives (principally scale-up); missile and free-fall weapon fuzing and warheads, aerial targets (full scale); aerodynamic deceleration (parachute systems) and components; and aircraft and missile non-nuclear survivability and vulnerability.

m. Perform land-based flight test and evaluation of surface weapons systems.

n. Provide, operate, and maintain land-based test site facilities and equipment for flight and ground test of surface weapon systems.

o. Participate in development, test, and evaluation of targets as required by test programs.

p. Support Navy test planning; serve as range sponsor and program sponsor and interface with the National Test Range and the White Sands Missile Range. Collect, analyze and distribute data and test reports.

q. Furnish data and support for the Operational Test and Evaluation Force evaluation of Navy surface weapons systems.

r. Provide directed energy weapons installation, integration, checkout, characterization, test and evaluation, safety support and military personnel training.

s. Ensure that the National Laser Test Facility and major facility equipment support all requirements of the Navy sponsored high-energy laser experimental test system.

t. Support the U.S. Navy, U.S. Air Force, and National Aeronautical and Space Administration sponsored research rocket programs and the other Navy small rocket programs at White Sands Missile Range.

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3. Tasks. Acts as Western Area Frequency Coordinator located at Point Mugu, CA, and performs other tasks as assigned and approved by proper authority.

MISSION, FUNCTIONS, AND TASKS OF THE NAVAIR  
AIR WEAPONS STATIONS POINT MUGU, CA  
AND CHINA LAKE, CA

Ref: (a) OPNAVNOTE 5450 Ser 09B22/1U510503 of 23 Dec 92

1. Mission. As directed by reference (a), the mission of the Naval Air Weapons Stations (NAVAIRWPNSTA's), Point Mugu and China Lake, CA, is as follows:

To operate and maintain base facilities and provide base support services, including airfields, for the Naval Air Warfare Center Weapons Division organizations at Point Mugu and China Lake, assigned tenants and activities, and transient units.

2. Status and Command Relationship. NAVAIRWPNSTA's, Point Mugu and China Lake, CA, are shore activities in an active status under Commanding Officers.

a. Command Echelon

- 1 Chief of Naval Operations
- 2 Commander, Naval Air Systems Command
- 3 Commander, Naval Air Warfare Center, Washington, DC
- 4 Commander, Naval Air Warfare Center Weapons Division, Point Mugu, CA
- 5 Commanding Officer, Naval Air Weapons Station, Point Mugu, CA
- 5 Commanding Officer, Naval Air Weapons Station, China Lake, CA

b. Area Coordination

Commander in Chief, U.S. Pacific Fleet, to be exercised through Commander, Naval Base, San Diego, CA.

c. Primary support responsibility for NAVAIRWPNSTA's is exercised by the Commander, NAVAIRWARCENWPNDIV, Point Mugu, CA.

3. Functions. In accomplishing the assigned mission, the Commanding Officers, NAVAIRWPNSTA's Point Mugu and China Lake, CA, are responsible for the following functions:

a. Operate and maintain airfields at Point Mugu, San Nicolas Island, and China Lake and provide air terminal, air traffic control, fire fighting and crash crew, and ground electronics services.

b. Provide public works support, including facilities engineering, base and facilities maintenance, utilities, and transportation.

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c. Provide supply services, storage, and distribution.

d. Provide intermediate and organizational maintenance for all aircraft (except targets) assigned to the NAVAIRWARCENWPNDIV, intermediate maintenance to tenant aircraft, and line maintenance to transiting aircraft.

e. Provide administrative and military community services, including security, personnel, religious, recreation, family housing, and bachelor quartering service.

f. Provide search and rescue services.

g. Provide related base support, operational, administrative, and logistics services, as required.



MISSION, FUNCTIONS, AND TASKS OF THE NAVAL  
WEAPONS EVALUATION FACILITY  
ALBUQUERQUE, NM

Ref: (a) OPNAVNOTE 5450 Ser 09B22/9U510918 of 14 Dec 89

1. Mission. As modified by reference (a), the mission of the Naval Weapons Evaluation Facility (NAVWPNEVALFAC), Albuquerque, NM, is as follows:

To provide the Navy center of technical excellence for nuclear weapon system safety, nuclear weapon system technology and development, nuclear weapon system test and evaluation, and conventional and nuclear airborne stores loading and handling publications; advise and assist the President, Board of Inspection and Survey, in the test and evaluation of Navy nuclear weapon systems, and to perform such other functions and tasks as directed by higher authority.

2. Status and Command Relationship. NAVWPNEVALFAC is a shore activity in an active status under a Commanding Officer.

a. Command Echelon

- 1 Chief of Naval Operations
- 2 Commander, Naval Air Systems Command
- 3 Commander, Naval Air Warfare Center, Washington, DC
- 4 Commander, Naval Air Warfare Center Weapons Division, Point Mugu, CA
- 5 Commanding Officer, Naval Weapons Evaluation Facility, Albuquerque, NM

b. Area Coordination. Chief of Naval Education and Training, to be exercised through the Chief of Naval Air Training.

c. Primary support responsibility for NAVWPNEVALFAC is exercised by the Commander, Naval Air Warfare Center Weapons Division, Point Mugu, CA.

3. Functions. In accomplishing the assigned mission, the CONAVWPNEVALFAC is responsible for the following functions:

a. Nuclear Weapon Systems Safety

(1) Plan, schedule, chair, conduct and report nuclear safety studies, reviews and evaluations as directed. Provide a secretariat for the Navy nuclear safety program. Plan, coordinate and conduct the Navy portion of joint Army/Navy safety studies and reviews. Provide the Navy member to Army Nuclear Weapon Systems Safety groups or the advisor to the Navy member as directed.

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(2) Conduct and/or review technical analyses of nuclear weapon systems. Develop new analysis techniques as required to enhance the Navy nuclear weapon system safety. Provide nuclear safety guidance and planning documents for new and modified nuclear weapons systems.

(3) Review the design of new, modified, and existing nuclear weapon systems and their associated support equipment and procedures. Inform appropriate levels of command of nuclear weapon safety issues.

(4) Participate as directed in the development and implementation of corrective action plans and programs for identified nuclear safety deficiencies.

(5) Provide nuclear weapon system safety support for designated non-U.S. NATO weapon systems in accordance with applicable Programs of Cooperation.

b. Nuclear Weapon Systems Technology and Development

(1) Conduct and/or support feasibility studies for new nuclear weapon systems. As directed, prepare Military Characteristics, Stockpile-to-Target Sequences, and Nuclear Safety Acceptance Plans for new nuclear weapon systems.

(2) Develop and maintain nuclear weapons system design and evaluation criteria.

(3) Provide members and/or advisors to Project Officers Groups (POG's), POG subgroups, and Design Review and Acceptance Groups as directed. Provide scientific engineering technical and evaluation support for the design, development test and evaluation, acquisition and life cycle support of Navy nuclear weapon system.

(4) Provide technical support in the areas of nuclear weapons intrinsic radiation reduction, nuclear weapon system survivability, and nuclear weapons use control capabilities.

(5) Provide liaison, coordination, and support for the Department of Energy (DOE) and its associated laboratory and production complex under applicable memoranda of agreement.

(6) Assist in the development of logistics support requirements for new nuclear weapon systems.

(7) Provide membership to various joint service and joint agency nuclear weapon systems working groups.

c. Weapon System Test and Evaluation

(1) Conduct ground and flight tests on airborne nuclear weapon systems.

(2) Support the DOE and its laboratories following applicable memoranda of agreement.

(3) Advise and assist the President, Board of Inspection and Survey, in determining the acceptability of Navy nuclear weapon systems. Conduct trials on nuclear capable aircraft as part of the certification program. Participate in the evaluation of new modified, and existing nuclear weapon capable surface and subsurface platforms.

(4) Conduct and/or participate in weapon system nuclear survivability tests and evaluations.

(5) Conduct and/or participate in nuclear weapon systems tests and evaluations to determine Stockpile-to-Target Sequence environments and the response of systems to these environments.

(6) As directed, conduct tests and evaluations on assigned non-nuclear weapon system projects.

(7) Conduct certification trials for Navy supported U.S. nuclear weapons capabilities on non-U.S. NATO aircraft.

(8) Conduct certification analyses of nuclear weapons support equipment, including handling and transportation equipment, as directed, and provide recommendations of certification.

(9) Support in-service engineering investigations of nuclear weapon systems to assess system safety and compatibility.

d. Airborne Stores Loading and Handling Publications and Tactical Manuals

(1) Develop, verify and maintain required publications for the loading, unloading, handling, checkout and release of all air-launched conventional and nuclear stores. Prepare and maintain loading manuals and checklists for each aircraft/weapon/store combination.

(2) Provide technical data support for aircraft tactical manuals in the areas of conventional weapons and fuze descriptions, delivery data weapons effects and safe escape data.

(3) Develop, verify and maintain weapons assembly manuals for all airborne weapons.

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(4) Develop, prepare and maintain nuclear cargo logistics loading manuals and checklists.

(5) Develop, prepare and maintain airborne weapons rapid rearming manual and checklists, transporting and loading equipment configuration checklists, gun jam clearing checklists, crew served guns checklists and airborne targets manuals and checklists.

(6) Develop, prepare and maintain armament weapons support equipment manuals and checklists.

(7) Develop, prepare and maintain Defense Security Assistance Program weapons/store loading manuals and checklists for Foreign Military Sales.

(8) Review and analyze fleet inputs relative to aircraft/weapon loading/carriage/interface problems and maintain rapid corrective action capability for disseminating or coordinating release of revised information.

(9) Participate in development and operational test and evaluation trials for Navy Aircraft and Armament Weapons Support Equipment.

e. Additional Functions

(1) Provide administrative support for the Navy Liaison Officer to the Joint Nuclear Weapons Publications System.

(2) Conduct the Navy Hot Air Balloon Program in support of the Navy Recruiting Command per CNO letter Ser 922f3/586541 of 10 July 1976.

(3) Provide support to the Things Falling Off Airplanes prevention working group.

(4) Provide support to the DOD/DOE plutonium dispersal study group.

(5) Support the Joint DOD/DOE Project Officers Group for Nuclear Weapons Use Control Systems as directed by the Chairman, Nuclear Weapons Council Standing Committee.

(6) Serve as the Navy Local Area Coordinator for the New Mexico and West Texas area per CNETINST 5400.2A of 1 June 1984.